

WHAT IS CLAIMED IS

1. A thermoplastic styrenic resin composition comprises a styrenic copolymer (A), which is comprising,
15-100 parts by weight of a unit derived from a styrenic monomer (i-1),
0-45 parts by weight of a unit derived from a vinyl cyanide monomer (i-2),
0-40 parts by weight of a unit derived from a copolymerizable vinyl monomer (i-3) other than the above monomers,
and 0.0005-1.0 parts by weight of a unit derived from a polyfunctional maleimide monomer, all based on 100 parts by weight of the total amount of (i-1) to (i-3).
2. A thermoplastic styrenic resin composition as claimed in claim 1, wherein the copolymerizable vinyl monomer is selected from ester of acrylic acid, ester of methacrylic acid and monofunctional maleimide monomer.
3. A thermoplastic styrenic resin composition as claimed in claim 1, wherein the amount of the unit derived from a copolymerizable vinyl monomer is 2-40 parts by weight.
4. A thermoplastic styrenic resin composition as claimed in claim 1, wherein the polyfunctional maleimide monomer is selected from bismaleimide.
5. A styrenic resin copolymer (A) as claimed in claim 1, wherein the amount of the residual polyfunctional maleimide monomer is less than 100ppm.
6. A thermoplastic styrenic resin composition according with claim 1, the branching ratio (gM)

$$gM = \frac{(r^2)_b}{(r^2)_l}$$

is the range of 0.45-0.95, wherein:

$(r^2)_b$: the rotating radius of branching molecule

$(r^2)_l$: the rotating radius of linear molecule

7. A rubber modified thermoplastic styrenic resin composition comprises a styrenic copolymer (A) as the continuous phase comprising,
 15-100 parts by weight of a unit derived from a styrenic monomer (i-1),
 0-45 parts by weight of a unit derived from a vinyl cyanide monomer (i-2),
 0-40 parts by weight of a unit derived from a copolymerizable vinyl monomer (i-3) other than the above monomer, and 0.0005-1.0 parts by weight of a unit derived from a polyfunctional maleimide monomer, all based on 100 parts by weight of the total amount of (i-1) to (i-3), and rubber particle (B) as the dispersed phase wherein the rubber content of the rubber modified thermoplastic styrenic resin composition is in the range of 1-40 weight %.

8. A rubber modified thermoplastic styrenic resin composition as claimed in claim 7, wherein the residual polyfunctional maleimide monomer is less than 100ppm.

9. A rubber modified thermoplastic styrenic resin composition as claimed in claim 7, the

$$gM = \frac{(r^2)_b}{(r^2)_l}$$

branching ratio (gM) is in the range of 0.45-0.95, wherein:

$(r^2)_b$: the rotating radius of branching molecule

$(r^2)_l$: the rotating radius of linear molecule

10. A rubber modified thermoplastic styrenic resin composition as claimed in claim 7, wherein the polyfunctional maleimide monomer is selected from bismaleimide.